SAFETY DATA SHEET



1. Identification

Product identifier CIMSTAR® 3865

METALWORKING FLUID

Other means of identification

SDS number Not applicable

Recommended use METALWORKING FLUID

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name CIMCOOL® Industrial Products LLC

3000 Disney Street Cincinnati, Ohio 45209

Telephone (General

Information)

513-458-8100

Emergency telephone

number

1-800-424-9300 (CHEMTREC)

Emergency telephone number (outside USA)

1-703-527-3887 (CHEMTREC)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin irritation

Health hazardsSkin irritationCategory 2Serious eye irritationCategory 2ASensitization, skinCategory 1

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

Precautionary statement

Prevention Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must

not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.

Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off

contaminated clothing and wash before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information 3.06% of the mixture consists of component(s) of unknown acute dermal toxicity.

The classified hazards shown on this SDS are associated with the product concentrate. These

hazards are not expected under recommended use conditions and dilution.

 Material name: CIMSTAR® 3865
 SDS US

 Version #: 02
 Issue date: 02-04-2015

 1 / 10

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ALKANES C14-16, CHLORO		1372804-76-6	5 - 10
SEVERELY-HYDROTREATED NAPHTHENIC DISTILLATES		64742-52-5	5 - 10
HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S- TRIAZINI	Ε	4719-04-4	3 - 5
TRIETHANOLAMINE		102-71-6	3 - 5
MONOETHANOLAMINE		141-43-5	1 - 3
MONOISOPROPANOLAMINE		78-96-6	1 - 3
SODIUM ALKYLARYL SULFONATE		93820-59-8	1 - 3
Other components below reportable	e levels		70 - 80

The exact percentages of hazardous ingredients have been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist. Under normal conditions of

intended use, this material is not expected to be an inhalation hazard.

Skin contact Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Wash

contaminated clothing before reuse.

Eye contact Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical

attention if irritation develops and persists.

Rinse mouth thoroughly. Drink 1 or 2 glasses of water. Do not induce vomiting. If vomiting occurs, Ingestion

keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing,

you feel unwell.

Most important

symptoms/effects, acute and

delaved

Indication of immediate

medical attention and special treatment needed

General information

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction.

If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media Foam. Dry chemical powder. Carbon dioxide (CO2). Use extinguishing measures that are

During fire, gases hazardous to health may be formed.

appropriate to local circumstances and the surrounding environment. Do not use water jet as an extinguisher, as this will spread the fire.

Unsuitable extinguishing

media

Specific hazards arising from

the chemical

Special protective equipment

and precautions for firefighters

Fire fighting equipment/instructions

Specific methods

General fire hazards

Wear suitable protective equipment.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. In the

event of fire and/or explosion do not breathe fumes.

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Material name: CIMSTAR® 3865 SDS US 2 / 10

Methods and materials for containment and cleaning up

Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water. Clean up in accordance with all applicable regulations.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling

Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapor. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Do not allow material to freeze. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

8. Exposure controls/personal protection

Occupational exposure limits

U.S. - OSHA

	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC DISTILLATES (CAS 64742-52-5)	PEL	5 mg/m3	
US. OSHA Table Z-1 Limits for Air (Contaminants (29 CFR 1910.	000)	
	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	PEL	6 mg/m3	
,		3 ppm	
US. NIOSH: Pocket Guide to Chemi	cal Hazards		
	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3	
,		6 ppm	
	TWA	8 mg/m3	
		3 ppm	
ACGIH			
	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC DISTILLATES (CAS 64742-52-5) US. ACGIH Threshold Limit Values	TWA	5 mg/m3	
OO. AOOIN THIESHOU LIHIIL VAIUES	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

3 / 10

Material name: CIMSTAR® 3865

SDS US

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is

recommended.

Skin protection

Hand protection Use protective gloves made of: Nitrile.

Other Wear appropriate chemical resistant clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Odor threshold

When using, do not eat, drink or smoke. Do not get in eyes, on skin, on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove

contaminants.

Not available.

9. Physical and chemical properties

Appearance CLEAR
Physical state Liquid.
Form Liquid.
Color Not available.
Odor CHEMICAL

pH 9.1

Melting point/freezing point $< 26 \, ^{\circ}\text{F} \ (< -3.3 \, ^{\circ}\text{C})$ Initial boiling point and boiling $> 212 \, ^{\circ}\text{F} \ (> 100 \, ^{\circ}\text{C})$

range

Flash point Not Applicable

Evaporation rate Like water when diluted

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies) 100 % Water Miscible

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties

Oxidizing properties

PH in aqueous solution

Specific gravity

VOC ASTM D2369

Not explosive.

Not explosive.

Not explosive.

1.048

Not explosive.

1.048

8.6 @ 5%

1.048

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Heat, flames and sparks. Contact with incompatible materials.

Incompatible materialsDo not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.

Acids. Oxidizing agents.

Hazardous decomposition

products

Smoke, fumes, oxides of nitrogen, hydrogen chloride, and oxides of carbon

11. Toxicological information

Information on likely routes of exposure

Inhalation Not classified.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes eye irritation.

Ingestion Not classified.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing,

redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction.

Information on toxicological effects

Acute toxicity

Compo	nents	Species	Test Results		
ALKAN	ES C14-16, CHLORO (CAS	1372804-76-6)			
	<u>Acute</u>				
	Dermal				
	Liquid				
	LD50	Rabbit	> 2000 mg/kg		
	Oral				
	<i>Liquid</i> LD50	Rat	> 5000 mg/kg		
MONO	ETHANOLAMINE (CAS 141-		> 5000 mg/kg		
MONO	Acute	43-3)			
	Dermal Dermal				
	LD50	Rabbit	1025 mg/kg		
MONOISOPROPANOLAMINE (CAS 78-96-6)					
	Acute	•			
	Dermal				
	Liquid				
	LD50	Rabbit	1576 mg/kg		
	Oral				
	Liquid	5.1			
	LD50	Rat	2813 mg/kg		
SODIUM ALKYLARYL SULFONATE (CAS 93820-59-8)					
	Acute Dermal				
	Solid				
	LD50	Rabbit	2000 mg/kg		
	Inhalation				
	Dust				
	LC50	Rat	2.18 mg/l		
	Oral				
	Solid				
	LD50	Rat	1080 mg/kg		

 Components Species Test Results

TRIETHANOLAMINE (CAS 102-71-6)

Acute
Dermal
Liquid

 LD50
 Rabbit
 > 2000 mg/kg

 LD50
 Rabbit
 > 2000 mg/kg

Oral *Liquid*

LD50 Rat 4190 mg/kg

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/eye Causes eye irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

TRIETHANOLAMINE (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Not classified.

Further information The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

12. Ecological information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Components		Species	Test Results
ALKANES C14-16, CI	HLORO (CAS 1372	804-76-6)	
Aquatic			
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 0.1 mg/l, 96 hours
MONOETHANOLAMI	NE (CAS 141-43-5)		
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	114 - 196 mg/l, 96 hours
Acute			
Crustacea	EC50	Daphnia	65 mg/l, 48 hours ECHA
MONOISOPROPANO	LAMINE (CAS 78-9	96-6)	

WONDISOPROPANOLAWINE (CAS 76-96-6

Aquatic

Fish LC50 Goldfish (Carassius auratus) 210 mg/l, 96 hours

Material name: CIMSTAR® 3865

SDS US

^{*} Estimates for product may be based on additional component data not shown.

Components		Species	Test Results	
Acute				
Crustacea	EC50	Daphnia	109 mg/l, 48 hours	
SODIUM ALKYLARYL SULFONATE (CAS 93820-59-8)				
Aquatic				
Acute				
Crustacea	EC50	Daphnia	2.9 mg/l, 48 hours	
Fish	LC50	Bluegill (Lepomis macrochirus)	1.67 mg/l, 96 hours	
TRIETHANOLAMINE (CAS 102-71-6)				
Aquatic				
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	565.2 - 658.3 mg/l, 48 hours	
Acute				
Fish	LC50	Bluegill (Lepomis macrochirus)	450 - 1000 mg/l, 96 hours	

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

MONOETHANOLAMINE -1.31 MONOISOPROPANOLAMINE -0.93**TRIETHANOLAMINE** -2.3

Mobility in soil This product is miscible in water.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste Hazardous waste code

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

UN3082 **UN number**

Environmentally hazardous substances, liquid, n.o.s. (ALKANES C14-16, CHLORO), MARINE **UN** proper shipping name

POLLUTANT

Transport hazard class(es)

Class 9 Subsidiary risk 9 Label(s) Ш Packing group **Environmental hazards**

Marine pollutant Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

8. 146. 335. IB3. T4. TP1. TP29 Special provisions

Packaging exceptions 155 Packaging non bulk 203 Packaging bulk 241

Supplemental Information: 49CFR 171.4 excludes "non-bulk" packages (119 gallons or less) from Marine Pollutant Requirements unless all or part of the shipment is by vessel.

Material name: CIMSTAR® 3865 SDS US

IATA

UN3082 **UN** number

Environmentally hazardous substance, liquid, n.o.s. (ALKANES C14-16, CHLORO) **UN proper shipping name**

Transport hazard class(es)

Class 9 Subsidiary risk **Packing group** Ш **Environmental hazards** No. 9L **ERG Code**

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Allowed with restrictions. Cargo aircraft only

IMDG

UN3082 **UN** number

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES C14-16, **UN** proper shipping name

CHLORO), MARINE POLLUTANT

Transport hazard class(es)

Class 9 Subsidiary risk Ш Packing group **Environmental hazards**

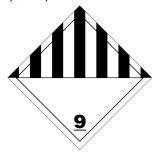
Marine pollutant Yes F-A, S-F **EmS**

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Not established.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

DOT; IATA; IMDG



Marine pollutant



General information IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. It may be reportable under the provisions of SARA Sections 311 and 312 if specific threshold criteria are met or exceeded.

Material name: CIMSTAR® 3865 8 / 10

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S-

TRIAZINE (CAS 4719-04-4)

TSCA Chemical Action Plans, Chemicals of Concern

ALKANES C14-16, CHLORO (CAS 1372804-76-6)

Short-Chain Chlorinated Paraffins (SCCPs) and Other Chlorinated

Paraffins Action Plan

1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

Not regulated.

(SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

MONOISOPROPANOLAMINE (CAS 78-96-6) Low priority

Food and Drug

Administration (FDA)

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

ALKANES C14-16, CHLORO (CAS 1372804-76-6)

SEVERELY-HYDROTREATED NAPHTHENIC DISTILLATES (CAS 64742-52-5)

California South Coast Air Quality Management District (SCAQMD) Rule 1144 (VOC Emissions) This product is subject to SCAQMD Rule 1144; it is compliant and may be sold and used in the SCAQMD. The VOC content of the product is 49 g/L, measured by ASTM Method E-1868-10. This product has a specified use dilution VOC limit of 75 g/L, the maximum dilution concentration is 100 % to maintain compliance.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

International Inventories

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

Material name: CIMSTAR® 3865 SDS US

Country(s) or region Inventory name On inventory or exempt (yes/no)*

Inventory of Existing and New Chemical Substances (ENCS) Japan Existing Chemicals List (ECL) Korea No

New Zealand Inventory Philippines Philippine Inventory of Chemicals and Chemical Substances Yes

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

16. Other information, including date of preparation or last revision

02-04-2015 Issue date 01-18-2018 **Revision date**

Version # 02

New Zealand

Further information Not available. NFPA ratings Health: 1 Flammability: 0 Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

This document has undergone significant changes and should be reviewed in its entirety. **Revision information**

Material name: CIMSTAR® 3865 SDS US

Yes

^{*}A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)